

PATENT

Attorney Docket No: BRI/023

Amendments to the Claims

The following listing of claims will replace all prior versions, and listings, of claims in the application.

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Listing of Claims:

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- 1-2. (canceled)
3. (amended) An electronic detonator for use in mining or blasting and having firing-readiness diagnostics, comprising an igniter and electronic circuitry configured and/or programmed to perform one or more firing-readiness diagnostics on said electronic detonator ~~The electronic detonator of claim 1,~~ wherein said igniter includes an ignition element, and said electronic circuitry comprises a continuity check module.
4. (amended) An electronic detonator for use in mining or blasting and having firing-readiness diagnostics, comprising an igniter and electronic circuitry configured and/or programmed to perform one or more firing-readiness diagnostics on said electronic detonator, wherein said igniter includes an ignition element, and said electronic circuitry comprises a continuity check module, and ~~The electronic detonator of claim 3,~~ wherein said electronic detonator includes an application-specific integrated circuit that contains said electronic circuitry.
5. (Amended) An electronic detonator for use in mining or blasting and having firing-readiness diagnostics, comprising an igniter and electronic circuitry configured and/or programmed to perform one or more firing-readiness diagnostics on said electronic detonator, wherein said igniter includes an ignition element, and said electronic circuitry comprises a continuity check module, and wherein said electronic detonator includes an application-specific integrated circuit that contains said electronic circuitry, and ~~The electronic detonator of claim 4,~~ wherein said igniter is hermetically sealed, and said ignition element is a bridgewire.
- 6-21. (canceled)